

MEMORANDUM

DATE: April 20, 2011

TO: MANUFACTURERS, RETAILERS AND INSTALLERS

FROM: JIM SLOAN, ADMINISTRATOR

SUBJECT: APPROVED BLOCKING, ANCHORING AND TIEDOWN DEVICES/SYSTEMS

The Alabama Manufactured Housing Commission (AMHC) has approved the following tiedown devices/systems. **All items must be used in accordance with the product manufacturer's instructions** that are provided with each product. **Home or building manufacturers must provide written "approval" to the AMHC before a "system" can be used to install their new or used homes or buildings.**

Installers of all ABS/Plastic Pads must (1) determine soil-bearing capacity, and (2) determine proper pier spacing. If the actual soil-bearing capacity is greater than 2,000 lbs., an assumed value of 2,000 lbs. must be used to determine pier spacing.

HOME PRIDE, INC.

30" Ground Anchor Model HP3, marked HP3/C2

36" Ground Anchor Model HP17, marked HP17/C4

48" Ground Anchor Model HP4, marked HP4/C4

36" Ground Anchor Model HP6, marked HP6/C4

48" Ground Anchor Model HP5, marked HP5/C4

Quick Jack Model HP62, marked HP62

DBL Tension Head w/Lag Bolt & Shield, Model HP12LS, marked HP12LS

M-Plate Stabilizing Device, Model HP32, marked HP32

Stabilizing Plate Model: HP30, HP31, and HP32

All bolts, strapping, clamps and brackets as contained in the submittal.

Stabilizing Cap Model HP34, marked HP34, to be used with Home Pride's

HP3 anchor in soil class 2 & 3 or with Home Pride's HP17 for soil class 4.

MINUTE MAN PRODUCTS, INC.

Longitudinal & Lateral Bracing System, Model No. MMA LLBS for wind zone I.

(Maximum pier height 32 inches; two anchors per side on single wide homes; and HUD labeled homes only.)

MINUTE MAN PRODUCTS, INC. (CONT'D)

Longitudinal & Lateral Bracing System, Model No. MMA LLBS for wind zones II and III. (Maximum pier height 32 inches; two anchors per side on single wide homes; and HUD labeled homes only.)

Concrete application of the Longitudinal and Lateral Bracing System, Model No. MMA LLBS for wind zones I and II. (Maximum pier height 32 inches; two anchors per side on single wide homes; and HUD labeled homes only.)

30" Ground Anchor Model 4430-DH, marked MMA 6 C3

48" Ground Anchor Model 650-DH, marked MMA 2 C4

36" Ground Anchor Model MMA 52, marked MMA 52 C4

36" Ground Anchor Model MMA 28, marked MMA 28 C4

36" Ground Anchor Model MMA 4636 EZDH, marked MMA 93 C4

36" Nu-Concept Anchor Model NC 4636, marked MMA 57 C4

30" Ground Anchor Model MMA4430EZ, marked MMA 92 C3

MMA-33 Locking Frame Clamp II

(Comes in 3 sizes: 5" - 7.5"; 1.5" – 2.0"; 2.0" – 4.0")

MMA-18 THDHLS Patio Slab Anchor with 3" minimum depth expansion bolt

MMA-14 210 PDH Wet Concrete Anchor

MMA-42 210 JDH Swivel Head Wet Concrete Anchor

MMCFW-Wet Concrete Flange Anchor

MMCAF – Dry Concrete Flange Anchor

Nu-Concept Swivel Stabilizer Cap, marked NC 1. (This cap is approved for use with tested and approved anchors matching or exceeding the specifications of the Minute Man MMA-6 for Class III soil or the MMA-57 for Class IV soil.)

Stabilizing Plate Models: MMAS-D1 and MMAS-D2. All bolts, strapping, clamps and brackets as contained in the submittal.

GW-2 Soil Anchor marked GW-2 C3

Steel Piers Model MMP6 thru MMP30, marked MMP6 – MMP30

OLIVER TECHNOLOGIES, INC.

All Steel Transverse Brace Foundation System, Model 1100 IT (for Wind Zone 1 only; maximum pier height no more than 32 inches; two anchors per side on single wide homes; and HUD labeled homes only)

Wind Zones 1 & 2 Pan System (Maximum pier height no more than 32 inches; two anchors per side on single wide homes; and HUD labeled homes only)

Wind Zone 1 Pan **System** offering both Lateral and Longitudinal Protection,
Model 1100-I"V"

Wind Zone 1 Pan **System** offering Lateral Protection Only, Model 1100-IT"V"

Wind Zone 1 Pan **System** offering Longitudinal Protection Only, Model 1100-IL"V"

Wind Zone 2 Pan **System** offering both Lateral and Longitudinal Protection,
Model 1100-II"V"

OLIVER TECHNOLOGIES, INC. (CONT'D)

Wind Zone 2 Pan **System** offering Lateral Protection Only, Model 1100-IIT“V”

Wind Zone 2 Pan **System** offering Longitudinal Protection Only, Model 1100-IIL“V”

Wind Zones 1 & 2 Concrete System (Maximum pier height no more than 32 inches; two anchors per side on single wide homes; and HUD labeled homes only)

Wind Zone 1 Concrete **System** offering both Lateral and Longitudinal Protection, Model 1100-IC“V”

Wind Zone 1 Concrete **System** offering Lateral Protection Only, Model 1100-ITC“V”

Wind Zone 1 Concrete **System** offering Longitudinal Protection Only, Model 1100-ILC“V”

Wind Zone 2 Concrete **System** offering both Lateral and Longitudinal Protection, Model 1100-IIC“V”

Wind Zone 2 Concrete **System** offering Lateral Protection Only, Model 1100-IITC“V”

Wind Zone 2 Concrete **System** offering Longitudinal Protection Only, Model 1100-IILC“V”

All Steel Longitudinal Brace Foundation Device, Model 1100 IL

24" X 24" Flex Free ABS Plastic Foundation Pad, ID #1055-13

16" X 16" Flex Free ABS Plastic Foundation Pad, ID #1055-14

17.5" X 22.5" Rounded Flex Free ABS Plastic Pad, ID #1055-21

21.13" X 29.13" Flex Free ABS Plastic Pad, ID #1055-22

16.04" X 18.54" Flex Free ABS Plastic Pad, ID #1055-23

16" X 16" Flex Free ABS Plastic Pad (with drain holes), ID # 1055-10

22" X 17" Rounded Flex Free ABS Plastic Pad, (2.5 Sq. Ft.), ID #1055-16

17.5" X 25.5" Rounded Flex Free ABS Plastic Pad, (3.0 Sq. Ft.), ID #1055-17

18.5" X 18.5" Flex Free ABS Plastic Pad, ID #1055-9

20" X 20" ABS Pad, ID #1055-7

ABS Plastic Wedge/Shim, Model 2410

ABS Cap Board $\frac{3}{4}$ " Thick, Model OTICB1

ABS Cap Board $1\frac{1}{2}$ " Thick, Model OTICB2

Adjustable Outrigger Model 1055-11

ABS Plastic Stabilizing Device, Model 1055-19 (Only use with 48" or 60" Anchors)

Dry Set Concrete Anchor, Model OCTCDP, marked OTCAD

Dry Set Concrete Anchor, Model OTCAPG1, marked OTCAPG1

Sidewall Quick Connector Model OTQC, marked OTQC

Frame Tie, Model OTFT-1, marked OTFT-1

Swivel Connector Model OTSFT, marked OTSFT

Stabilizer Plate, Model OTMSP2P, marked OTMSP2P

Stabilizer Plate, Model OTMSP2G, marked OTMSP2G

Stabilizer Plate Model OTCADG, marked OTCADG

Wet Set Concrete Anchor, Model OTCAWP, marked OTCAWP

30" Ground Anchor (5/8" Rod with two 4" Helix) Model OT3044AP, marked OT3044AP C3

48" Ground Anchor (3/4" Rod with one 6" Helix) Model OT486BP, marked OT486BP C4

48" Ground Anchor (3/4" Rod with one 6" Helix) Model OT3646BG, marked OT3646BG

48" Ground Anchor (5/8" Rod with one 6" Helix) Model OT486AP, marked OT486AP C4

30" Ground Anchor (3/4" Rod with two 4" Helix) Model OT3044BP, marked OT3044BP C3

OLIVER TECHNOLOGIES, INC. (CONT'D)

30" Ground Anchor (3/4" Rod with two 4" Helix) Model OT3044BG, marked OT3044BG
36" Ground Anchor (3/4" Rod with one 4" Helix) Model OT3646BP, marked OT3646BP C4
Cap Anchor Model OT3646BPC, marked OT3646BPC
Cap Anchor Model OT3646BPZ, marked OT3646BPZ
Anchor Pier Model OTAP8K, marked OTAP8K
Anchor Pier Model OTAP12K, marked OTAP12K
QUICK Self-Aligning Compression Cap (Stabilizing Device) to be used with Anchor
Model #'s OT3044BP and OT3646BP, Model OTCAP, marked OTCAP
All bolts, strapping, clamps and brackets as contained in the submittal.

POLY VULC USA, INC.

16" X 16" Blended Plastic Pad, Model No. PP1616
18.5" X 18.5" Blended Plastic Pad, Model No. PP1818
20" X 20" Blended Plastic Pad, Model No. PP2020
17" X 23" Blended Plastic Pad, Model No. PP1723
24" x 24" Blended Plastic Pad Model No. PP2424

STYLE CREST PRODUCTS, INC.

30" Ground Anchor Model 30-DH C2, marked 30DH C2
36" Ground Anchor Model 36-SH C3, marked 36SH C3
48" Ground Anchor Model 48-SH C4, marked 48SH C234
36" Ground Anchor Model 3646C234, marked 3646 C234
Stabilizing Plate Models: ASSD, ASSDC234 and 48233.
All bolts, strapping, clamps and brackets as contained in the submittal.

TIE DOWN ENGINEERING, INC.

**Vector Dynamics Foundation System, Part 59018 for Wind Zones I and II;
(Maximum pier height no more than 32 inches; two anchors per side on
single wide homes and HUD labeled homes only.)**

**Vector Dynamics Foundation System, Part 59036 Single Stack System (Concrete)
and Part 59049 Double Stack System (Concrete) for Wind Zones I and II. (Maximum
pier height 32 inches; two anchors per side on single wide homes; and HUD labeled
homes only.)**

**Xi2 Lateral Stabilization System, Part 59306 for Wind Zones I and II; (Maximum pier
height no more than 32 inches; two anchors per side on single wide homes and HUD
labeled homes only.)**

**Xi2 Lateral Stabilization System, Part 59307 (concrete) for Wind Zones I and II;
(Maximum pier height no more than 32 inches; two anchors per side on single wide
homes and HUD labeled homes only.)**

TIE DOWN ENGINEERING, INC. (CONT'D):

XI Longitudinal Stabilization Device (Part 59026)
30" Ground Anchor Model MI 22, marked MI22 C2
36" Ground Anchor Model MI 2H6, marked MI2H6 C3
48" Ground Anchor Model MI 2H, marked MI2H C4
34" Ground Anchor Model MI 2H64, marked MH164 C4
Pad 1 (Model 59300) - 16" X 18" (2.0 square feet) x 7/8" thick
Pad 2 (Model 59301) - 16" X 22.5" (2.5 square feet) x 1" thick
Pad 3 (Model 59302) - 17-3/16" X 25-3/16" (3.0 square feet) x 1-1/8" thick
Swivel Strap Connector (Part 59002)
3" Swivel Strap Frame Connector (Part 59003)
4" Swivel Strap Frame Connector (Part 59004)
Universal Swivel Strap Connector (Part 59242)
Adjustable Swivel Strap Frame Connector (Part 59005)
Angle Frame Connector Bracket (Part 59009)
Longitudinal Beam Clamp (Part 59011)
QUIK-SET Stabilizer Plate (Part 59291)
Deep Set 36" Anchor, Part 59092 C4
ABS Foundation Pad, 4 sq. ft., Part 59303
Stabilizing Plate Models: MCATSTA and 59292.
Concrete Anchor Part 59109, marked MIJ2
Concrete Anchor Part 59120, marked MIJ2
Patio/Slab Anchor Part 59125, marked MICS2
Patio/Slab Anchor Part 59130, marked MICS1
All bolts, strapping, clamps and brackets as contained in the submittal.